

**Listing of the Claims**

1. (Currently Amended) A magnetic resonance imaging device, comprising at least:
  - a) a main magnet system ~~(2)~~ for generating a steady magnetic field in a measuring space of the magnetic resonance imaging device;
  - b) a gradient system ~~(3)~~ for generating a magnetic gradient field in said measuring space; and
  - c) an eddy current shield system;  
~~characterized in that wherein~~ the eddy current shield system comprises at least one perforated eddy current screen ~~(13, 14)~~, wherein the or each perforated eddy current screen ~~(13, 14)~~ is assigned to the main magnet system ~~(2)~~.
2. (Currently Amended) A magnetic resonance imaging device according to claim 1, ~~characterized in that wherein~~ the or each perforated eddy current screen ~~(13, 14)~~ is flexibly connected to the main magnet system ~~(2)~~.
3. (Currently Amended) A magnetic resonance imaging device according to claim 1, ~~characterized in that wherein~~ the or each perforated eddy current screen ~~(13, 14)~~ is designed in a way that the degree of perforation is in the range of 0.1% to 95%.
4. (Currently Amended) A magnetic resonance imaging device according to claim 3, ~~characterized in that wherein~~ the or each perforated eddy current screen ~~(13, 14)~~ is designed in a way that the degree of perforation is in the range of 10% to 50%.
5. (Currently Amended) A magnetic resonance imaging device according to claim 1, ~~characterized in that wherein~~ the or each perforated eddy current screen ~~(13, 14)~~ is designed as a constraining layer structure, wherein the constraining layer structure comprises at least one perforated plate-like layer ~~(19, 20)~~ and at least one perforated visco-elastic layer ~~(21)~~.
6. (Currently Amended) A magnetic resonance imaging device according to claim 5, ~~characterized in that wherein~~ the constraining layer structure comprises two perforated

plate-like layers ~~(19, 20)~~ and one perforated visco-elastic layer ~~(21)~~, wherein the visco-elastic layer ~~(21)~~ is sandwiched between the two plate-like layers ~~(19, 20)~~.

7. (Currently Amended) A magnetic resonance imaging device according to claim 1, ~~characterized in that~~ wherein the or each eddy current screen ~~(13, 14)~~ has a thickness being thin enough to minimize radiation of acoustic noise and being thick enough to maximize shielding against the magnetic field radiated by the gradient system ~~(3)~~.

8. (Currently Amended) A magnetic resonance imaging device according to claim 7, ~~characterized in that~~ wherein the or each eddy current screen ~~(13, 14)~~ has a thickness in the range of 0.01 mm to 10 mm.

9. (Currently Amended) A magnetic resonance imaging device according to claim 8, ~~characterized in that~~ wherein the or each eddy current screen ~~(13, 14)~~ has a thickness in the range of 1 mm to 5 mm.

10. (Currently Amended) A magnetic resonance imaging device according to claim 7, ~~characterized in that~~ wherein the or each eddy current screen ~~(13, 14)~~ has an increased thickness in the region in which the eddy current screen ~~(13, 14)~~ is mounted to the main magnet system ~~(2)~~.

11. (Currently Amended) A magnetic resonance imaging device according to claim 2, ~~characterized in that~~ wherein the or each eddy current screen ~~(13, 14)~~ is flexibly attached to the main magnet system ~~(2)~~ by elastic mounting means ~~(18)~~, especially by flexible rubber means.

12. (Currently Amended) A magnetic resonance imaging device according to claim 1, ~~characterized in that~~ wherein the or each eddy current screen ~~(13, 14)~~ is positioned at least in the region of the two lateral flanges ~~(15, 16)~~ of the main magnet system ~~(2)~~.

13. (Currently Amended) A magnetic resonance imaging device according to claim 12, ~~characterized in that~~ wherein the or each eddy current screen ~~(13, 14)~~ is positioned in

the region of the lateral flanges ~~(15, 16)~~ of the main magnet system ~~(2)~~ and in addition in the region of the bore hole between the main magnet system ~~(2)~~ and the gradient system ~~(3)~~.

14. (Currently Amended) A magnetic resonance imaging device according to claim 1, ~~characterized in that wherein~~ the or each eddy current screen ~~(13, 14)~~ is positioned at least in the region of the bore hole between the main magnet system ~~(2)~~ and the gradient system ~~(3)~~.

15. (Currently Amended) A magnetic resonance imaging device according to claim 14, ~~characterized in that wherein~~ the or each eddy current screen ~~(13, 14)~~ is positioned in the region of the bore hole and in addition in the region of the lateral flanges ~~(15, 16)~~ of the main magnet system ~~(2)~~.